IN THE SPECIFICATION:

Please amend paragraph 0038 as indicated below:

[0038] The flow chart illustrated in Figure 8 illustrates the operation of the system illustrated in Figure 7. As shown in Figure 8, the method begins by performing a thermal measurement (step 800) thereby producing a signal, buffering (step 810) the signal, filtering the signal (step 820), digitizing the signal (step 830) and transmitting the signal to the system controller similar to the method illustrated in Figure 6. However, once the digitized signal has been transmitted to the system controller (750; Fig. 7), the system controller combines the digital sum of a "color count" (i.e., the digital uncompensated green, red, blue, or other primary color) and the digitized thermal signal (step 840). This combined digital signal represents a temperature compensated value that may be used to produce the desired pixel gap at the above measured temperature. The combined digital signal is then transmitted to the DAC (step 850). The combined digital signal drives the DAC to produce a temperature compensated voltage which correspond to the appropriate "pixel voltages" and then routes this voltage to the appropriate pixels as described above. Consequently, the various system controllers or processors illustrated herein may be considered, in various embodiments, to include a processor readable medium having instructions thereon for: sensing a temperature change of a DLD; and modifying a voltage provided to the DLD in response to the sensed temperature change. Modifying a voltage provided to the DLD may include receiving a signal associated with the sensed temperature change; and generating a temperature compensated offset voltage based on the signal. The processor readable medium may further have instructions thereon for: digitizing the signal; providing the digitized signal to a data

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storage device: and receiving a temperature compensated offset voltage value from the data storage device. The data storage device may include a data lookup table. The processor readable medium may further have instructions thereon for: digitizing the signal; combining the digitized signal with a digital color count; and converting the combined signal to an analog voltage.

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